ZHONE
Bandwidth Changes Everything™

VDSL2/ADSl2+; 4 PORT Wireless 802.11n

6718-A1

6718-A1 xDSL Residential Gateway

- ✓ *Supports VDSL2 profiles 8a/b/c/d, 12a/b and 17a Profile*
- ✓ *Supports ADSL2+(G.992.5) with 24 Mbps downstream and 1 Mbps upstream rates*
- ✓ *Support ATM and PTM modes*
- ✓ *Supports falls back to ADSL2+*
- ✓ *Integrated 4 Port Ethernet Switch with Auto sensing and cross-over correction*
- ✓ *Integrated GigE Ethernet port for WAN uplink for GPON development*
- ✓ *Supports IEEE 802.11b/g/n WiFi with 2 transmitter and receiver antennae*

6718-A1 is a high-end triple-play-ready residential gateway with advanced router and bridge functions that supports multiple WAN interfaces with support of VDSL2, ADSL2 + and a Gigabit Ethernet WAN link. 6718-A1 is equipped with four 10/100 LAN port and wireless 802.11 b/g/n.

DATASHEET

VDSL2/ADSl2+; 4 PORT Wireless 802.11n

Technical Specifications

Dimensions

- 1.65" x 10.03" x 6.29"

Weight

- 0.75 lbs

Power

- Input: 120- 240 VAC 50/60 Hz
- Output: 12VDC 1.5A

Interfaces

- 1x RJ11 VDSL2/ADSL2+
- 1x RJ45 Gigabit Ethernet WAN
- 4x RJ45 10/100-Base-TX Ethernet LAN
- 1 x USB Host 2.0
- 1x Reset
- 2x 802.11b/g/n antenna
- 1x ON/OFF Power Switch

Wireless Support

- IEEE 802.11b/g/n (2.4GHz)
- Antenna configuration: 2x2
  - 4 SSIDs
  - 128 Clients
  - Supports 802.1x, WEP, WEP2, WPA; WPA2; TKIP; AES; 802.11i
  - Hidden SSID
  - WMM for advance Quality of Service
  - AES Hardware

Standards Support

- ADSL2+
- ATM Support
  - ITU-T I.610 F4/F5 OAM Send and Receive/Loop back
  - Support up to 8 PVC's
  - RFC 1483/2684 (Bridged/Routed Ethernet over ATM)
- VDSL
  - ITU-T G.993.2 (VDSL2)
  - ITU-T G.993.1 (VDSL1)
  - ANSI T1-424
  - ETSI TS 101 270-1
  - ETSI TS 101 270-2
  - China MII VDSL standard
  - ITU-T G.994.1 (G.hs) based hand shaking
  - Supports band plan 997, 998, FX and China
  - VDSL2 profiles 8a/b/c/d, 12a/b, and 17a
  - EFM (IEEE802.3ah)
  - Extended US0 band up to 276kHz
  - VLAN to Port mapping
- Ethernet Interface
  - IEEE 802.3/802.3u compliant
  - Support 10/100Mbps operation
  - Support half/full duplex operation
  - Support IEEE 802.3u clause 28-auto negotiation
  - Support Flow Control
  - Support Auto MDI/MDIX
  - -IGMP V3 (RFC 3376)
  - Support 802.1d
  - IEEE 802.1q
  - IEEE 802.1p
  - Q-in-Q support
- Routing
  - Static routes
  - Dynamic routes: RIPv1 or RIPv2
  - PPP client
  - IGMP proxy
  - DHCP server and client
- Firewall
  - SPI firewall
  - Access control list absed on IP and port
  - Port forwarding, virtual server
  - Support for one DMZ host
  - ALG support including FTP, PPTP, L2TP

Protocol Support

- ADSL2+
  - ANSI T1.413 (Full Rate ADSL)
  - ITU G.992.1 (DMT)
  - ITU G.992.3 (ADSL2)
  - ITU G.992.5 (ADSL2+)
  - ITU G.994.1 (G.hs)
  - ITU G.997.1
  - Annex L
  - Annex M
- VDSL2
  - ITU-T G.993.2 (VDSL2)
  - ITU-T G.993.1 (VDSL1)
  - ANSI T1-424
  - ETSI TS 101 270-1
  - ETSI TS 101 270-2
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Management

- SNMP GETs, SETs and TRAPs for four groups in MIB-II
- Embedded Syslog
- SNTP with DHCP Option
- UPnP Internet gateway Device (IGD) Compliance
- Local Management via Web/HTTP
- Access Control List (ACL) for IP services for LAN/WAN
- Firmware upgrade using HTTP or TFTP
- TR-069 with paremeters: DeviceInfo, ManagementServer, Time, IPPingDiagnostic etc
- Supports TR-104

Regulatory Compliance

- FCC Part 15/68
- UL
- CSA
- CE
- RoHS Compliant

Operating Requirements

- Operating Temperature: 0° C - 45° C
- Operating Humidity: 5% - 95% (non-condensing)
- Storage Temperature: -20° C - 70° C
- Storage Humidity: 5% - 95% (non-condensing)

Ordering Information

- 6718-A1-NA (North America Power Adapter)
- 6718-A1-UK (United Kingdom Power Adapter)
- 6718-A1-EU (European Power Adapter)

ZHONE

Zhone Technologies, Inc.
7195 Oakport Street
Oakland, CA 94621
1 510.777.7000
www.zhone.com

For more information about Zhone and its products, please visit the Zhone Web site at www.zhone.com or e-mail info@zhone.com

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